

The 1st SmartCare AI Light

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August 5, 2025



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Background & Concept

1

Who will use it for what?

People with disabilities or limited mobility
Safe crossing, less stress, and more respect in public.



2

When and Where your product will be used?

Use anytime, day or night. Especially at hospitals, elderly homes, busy intersections, and school zones.



3

Why your product is expected?

Current lights treat everyone the same, but some people walk slower. This wastes green time and causes traffic jams.

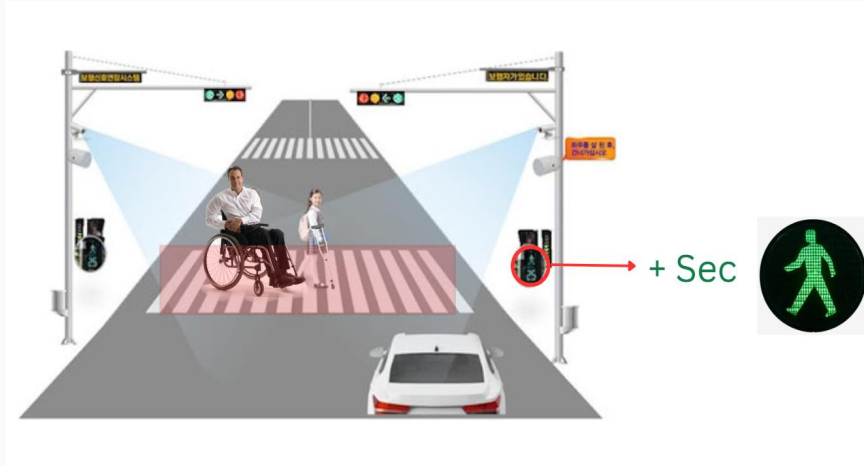
In **Korea**, existing systems only show warnings — they don't actually help.



SmartCare AI Light uses AI to detect vulnerable pedestrians, extends the green light until they finish crossing, then gives cars their full green time — making traffic safer and smoother.

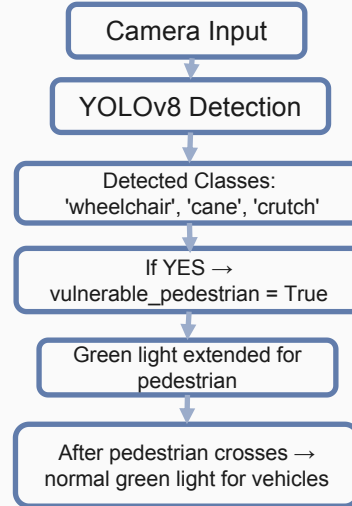
Idea with sketch

Sketch & Visual



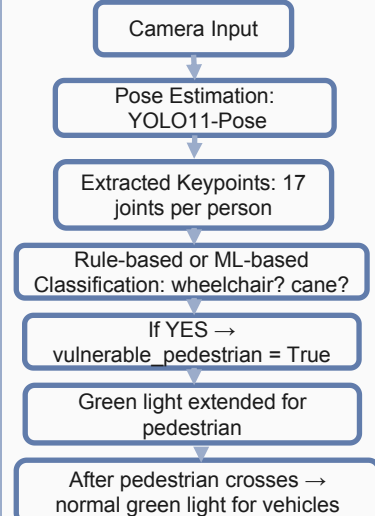
Method 1

YOLO-based Object Detection Structure



Method 2

Pose-based Flaw Detection Structure



Thanks!

Do you have any questions?

Team - One Asia